Qty:

: BEARING ASSEMBLY

: D3121241

: N/A

: C2

: NIA

: 12/21/2005

: D3121 REV C2



Drawing Name

Part Number

Material

Due Date

Drawing Number

Project Number

Drawing Revision

User:

Wednesday, 12/14/2005 3:56:56 PM

Kim Johnston

Process Sheet

: CU-DAR001 Dart Helicopters Services Customer

Job Number : 25225 -)

: 10716 **Estimate Number**

: NIA P.O. Number

: 12/14/2005 This Issue

: NC Prsht Rev.

· M/A First Issue : 24777 **Previous Run**

S.O. No. : NIA

Type

: MACHINED PARTS

: SER COMMENT BELOW : SEE COMMENT BEION

Checked & Approved By : Est Rev:A 04.02.18 New issue KJ/DS Comment

Additional Product

Written By

Job Number:



Seq. #:

Machine Or Operation:

Description:

MDELRINR12500 1.0

DELRIN ROUND BAR 1.25"

0.8610 f(s) Comment: Qty.: 0.0431 f(s)/Unit Total:

Material: Ø1.25 Delrin Rod

(M-DELRIN-R1.2500)Identify as D3121-25

Batch: M16128

M& oslialai

HARDINGE

HARDINGE CNC LATHE SMALL

Comment: HARDINGE CNC LATHE SMALL

1-Turn D3121-25 Cap as per Folio FA387

MS oslialar

Each

20 Um:

2-Deburr

QC2



Comment: INSPECT PARTS AS THEY COME OFF MACHINE

79

3.0

SECOND CHECK



Comment: SECOND CHECK

D312123 5.0

Bearing

Comment: Qty.:

1.0000 Each(s)/Unit Total:

20.0000 Each(s)

Pick:

Description Batch

B25432 x 29

Bearing B24858 (IOX)

Qty Part Number 1 D3121-23

Dart	Aeros	pace	Ltd
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Pacc	Per 2 CA

W/O:			WORK ORDER CHANGES						
DATE	STEP	PRO	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
Part No	:_	PAR #:	Fault Category:	NCR: Yes	No DQ	A: 5	Date:	6/01/23	

QA: N/C Closed: ____ Date: ____

NCR:	WORK ORDER NON-CONFORMANCE (NCR)							
		Description of NC		Corrective Action Section B		Varification		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	QC Inspecto
	k							
/								
					-			

NOTE: Date & initial all entries

Wednesday, 12/14/2005 3:56:56 PM Date: Kim Johnston User: **Process Sheet** Drawing Name: BEARING ASSEMBLY Customer: CU-DAR001 Dart Helicopters Services Part Number: D3121241 Job Number: 25225 Job Number: Description: Seq. #: Machine Or Operation: SMALL & MEDIUM FAB RESOURCE 1 SMALL FAB 1 6.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 1-Press D3121-23 Bearing into D3121-25 Cap as per Dwg D3121 INSPECT WORK TO CURRENT STEP QC5 7.0 Comment: INSPECT WORK TO CURRENT STEP PACKAGING ' PACKAGING RESOURCE #1 8.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 401 9.0 Comment: DOCUMENT CONTROL Inspection Level 21 Job Completion

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES						
DATE	STEP	PR	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		PAP #-	Fault Category	NCP: Vo	No DO	Α.	Data	

Part No:	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
			QA: N/C Closed:	Date:

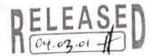
NCR:			WORK ORDI	ER NON-CONFORMAN	CE (NCR)			
		Description of NC		Corrective Action Section B		Verification	A	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector
P								
		v.						

NOTE: Date & initial all entries

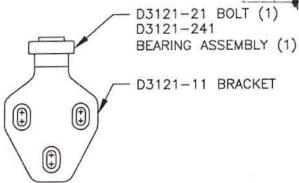




DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED	APPROVED	DRAWING NO. D3121	REV. C SHEET 1 OF 10	
DATE 04.02.1	7	BRACKET ASSEMBLY	SCALE 1:2	
Α	02.04.15	NEW ISSUE		
В	03.01.16	ADD RIDGES; ADD MAT'L	PROP; FIX P/N	

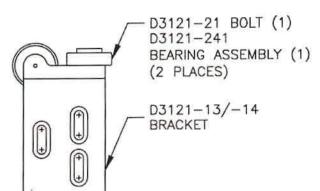


1	04.0	2.17	BRACKET ASSEMBLY 1:
I	Α	02.04.15	NEW ISSUE
	В	03.01.16	ADD RIDGES; ADD MAT'L PROP; FIX P/N ADD -141/-143/-144/-145/-146
ľ	С	04.02.17	ADD CLEARANCE; USE -241 BEARING
t	CI	CP 04.03.26	3.97 WAS 4.00; 6.11 WAS 6.14
I	CZ	# T+ 04.04.26	0.230 WAS 0.238



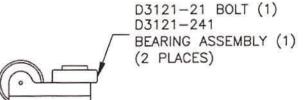
D3121-041 BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-33)



D3121-043 (SHOWN) / D3121-044 (OPPOSITE) BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-37/-38)



D3121-045 (SHOWN) / D3121-046 (OPPOSITE) BRACKET ASSEMBLY

(REPLACES PREMIER P/N B30-23000-35/-36)

D3121-15/-16 BRACKET

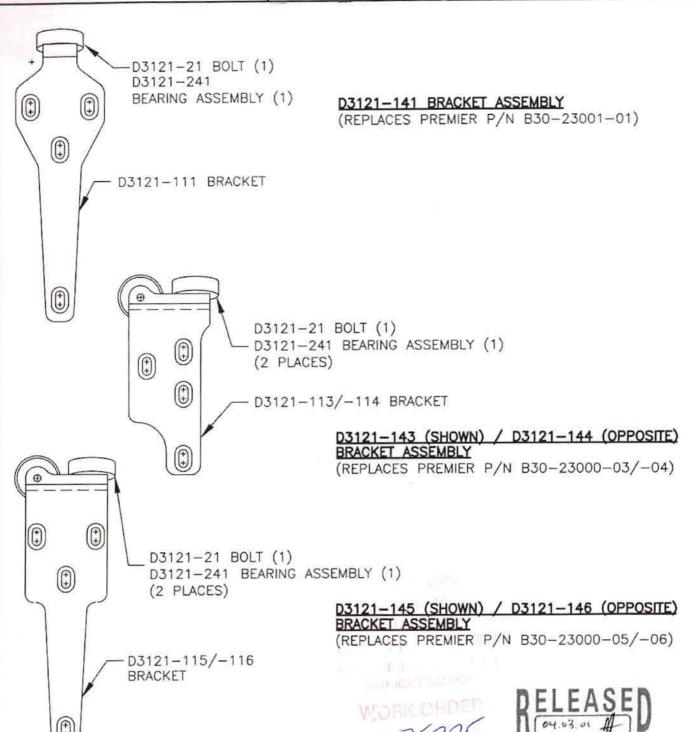
25225

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DESIGN	DRAWN BY	DART AEROSP HAWKESBURY, ONTAR	
CHECKED	APPROVED	DRAWING NO.	REV. C SHEET 2 OF 10
DATE	<u> </u>	TITLE	SCALE
04.02.17		BRACKET ASSEMBLY	1;2



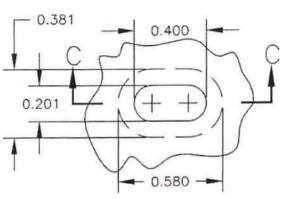


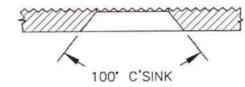


DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
CHECKED	APPROVED	DRAWING NO. D3121	REV. C SHEET 3 OF 10	
DATE	_11	TITLE	SCALE	
04.02.17		BRACKET ASSEMBLY	1:1	



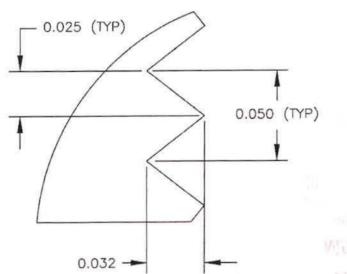
DETAIL A: SLOT DETAIL SCALE 2:1 VIEW ROTATED





SECTION

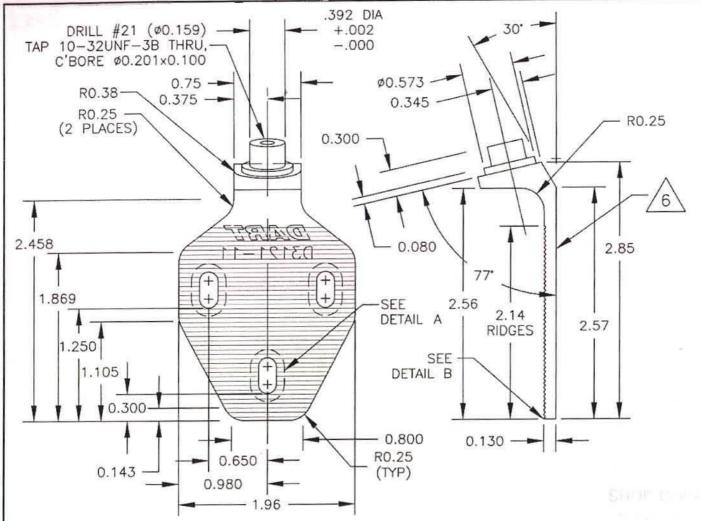
DETAIL B: RIDGE DETAIL
PARTIAL SECTION SCALE 1:20







DESIGN	DRAWN BY	DART AEROS HAWKESBURY, ONT	
CHECKED	APPROVED	DRAWING NO. D3121	REV. C SHEET 4 OF 10
DATE		TITLE	SCALE
04.02.17		BRACKET ASSEMBLY	1:1



D3121-11 BRACKET

1) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B)
MIN ULTIMATE TENSILE = 150 ksi
MIN YIELD TENSILE = 100 ksi

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

3) ALL DIMENSIONS ARE IN INCHES

4) BREAK ALL SHARP EDGES 0.005 TO 0.015

5) ENGRAVE DART P/N & LOGO AS SHOWN

6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005

WORK ORDER NO.25225

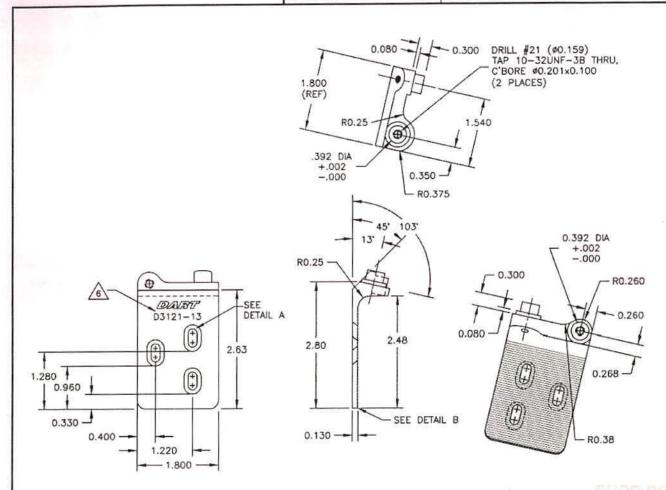


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	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		
PROVED	DRAWING NO.	REV. C SHEET 5 OF 10	
	TITLE	SCALE 1:2	
	PROVED.	# D3121	



D3121-13 BRACKET (SHOWN) D3121-14 BRACKET (OPPOSITE)

 MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B) MIN ULTIMATE TENSILE STRENGTH = 150 ksi MIN YIELD TENSILE STRENGTH = 100 ksi

TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

3) ALL DIMENSIONS ARE IN INCHES

BREAK ALL SHARP EDGES 0.005 TO 0.015 5) ENGRAVE DART P/N & LOGO AS SHOWN

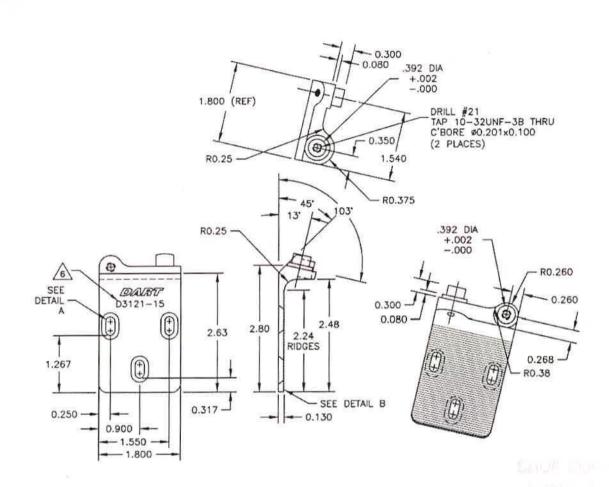
6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005







)	DESIGN DRAWN BY		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
	CHECKED	APPROVED	DRAWING NO. D3121	REV. C SHEET 6 OF 10
	DATE		TITLE	SCALE
	04.02.18		BRACKET ASSEMBLY	1:2



D3121-15 BRACKET (SHOWN) D3121-16 BRACKET (OPPOSITE)

1) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B) MIN ULTIMATE TENSILE = 150 ksi

MIN YIELD TENSILE = 100 ksi 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

3) ALL DIMENSIONS ARE IN INCHES

4) BREAK ALL SHARP EDGES 0.005 TO 0.015

5) ENGRAVE DART P/N AND LOGO AS SHOWN

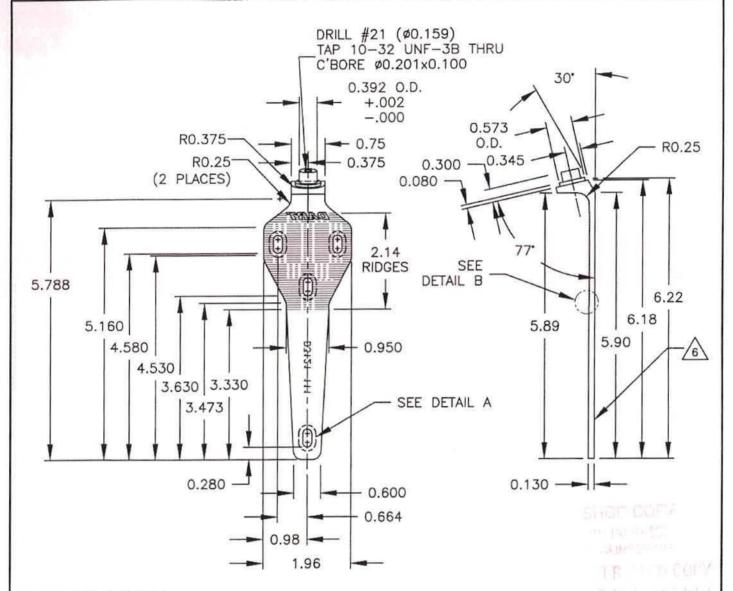
6) HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005







DESIGN DRAWN BY		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO.	REV. C SHEET 7 OF 10
DATE		TITLE	SCALE
04.02.18		BRACKET ASSEMBLY	1;2



D3121-111 BRACKET

1) REPLACES PREMIER P/N B32-23001-11

2) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B) MIN ULTIMATE TENSILE = 150 ksi

MIN YIELD TENSILE = 100 ksi

3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHEWISE NOTED

ALL DIMENSIONS ARE IN INCHES

BREAK ALL SHARP EDGES 0.005 TO 0.015

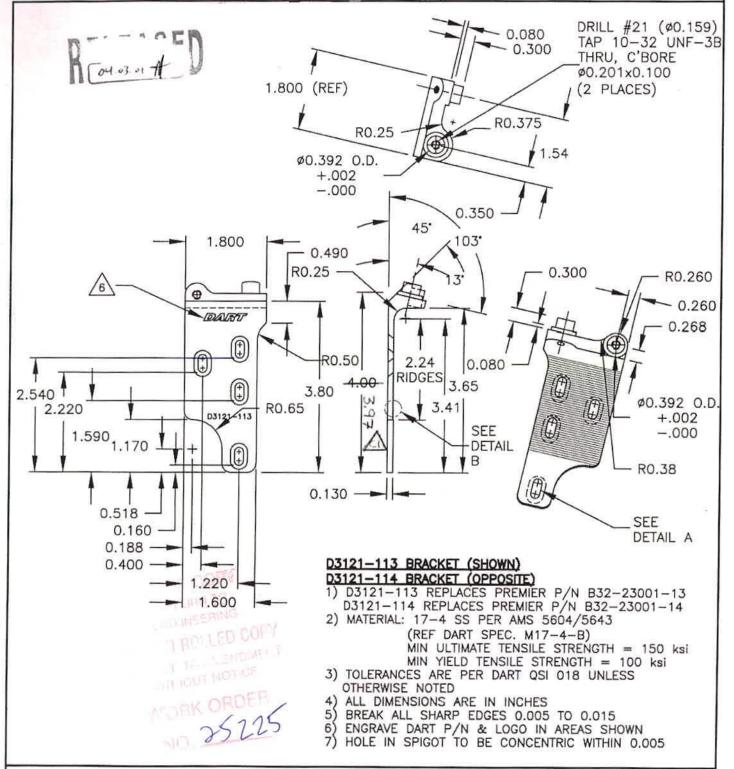
ENGRAVE DART P/N & LOGO IN AREAS SHOWN HOLE IN SPIGOT TO BE CONCENTRIC WITHIN 0.005







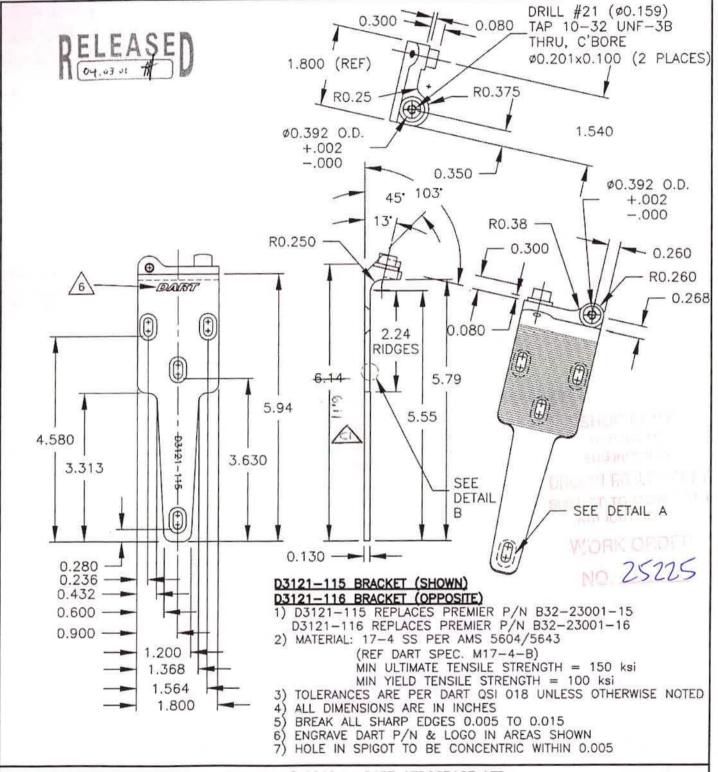
DESIGN DRAWN BY		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO. D3121	REV. C SHEET 8 OF 10
DATE 04.02.18		TITLE	SCALE
		BRACKET ASSEMBLY	1:2







DESIGN	DAKI ALKO		OSPACE LTD ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO. D3121	REV. C SHEET 9 OF 10	
DATE		TITLE	SCALE	
04.02.18		BRACKET ASSEMBLY	1:2	

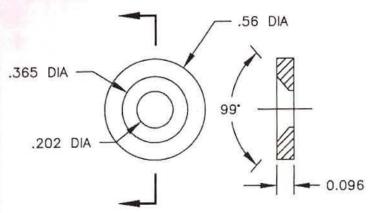


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CHECKED	APPROVED	DRAWING NO. D3121	REV. C SHEET 10 OF 10	
DATE		TITLE	SCALE	
04.02.17		BRACKET ASSEMBLY	1:1	



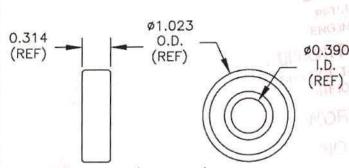
D3121-17 WASHER (SCALE 2:1)

1) REPLACES PREMIER P/N B32-23001-17 2) MATERIAL: AISI 303 SS ROUND BAR, ANNEALED (REF DART SPEC. M303R)

3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

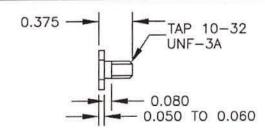
4) ALL DIMENSIONS ARE IN INCHES

5) BREAK ALL SHARP EDGES 0.005 TO 0.015



D3121-19 BEARING (SCALE 1:1) 1) POSSIBLE SUPPLIER: KING BEARING P/N 6000-2ZJ/EM FAFNIR P/N 9100KDD

2) ALL DIMENSIONS ARE IN INCHES



D3121-21 BOLT (SCALE 1:1)

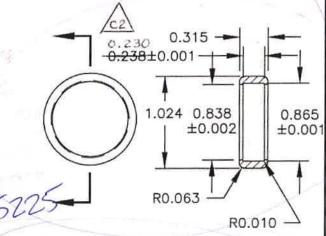
1) MATERIAL: AISI 303 SS HEX, ANNEALED (REF DART SPEC. M303H0.500)

FINISH: NONE

TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

4) ALL DIMENSIONS ARE IN INCHES

5) BREAK ALL SHARP EDGES 0.005 TO 0.015



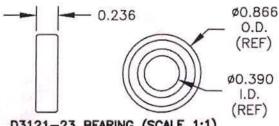
D3121-25 CAP (SCALE 1:1)

1) MATERIAL: DELRIN ROD, Ø1.25

(REF DART SPEC. M-DELRIN-R1.250)

2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

ALL DIMENSIONS ARE IN INCHES



D3121-23 BEARING (SCALE 1:1)

1) POSSIBLE SUPPLIER: SKF P/N 61900-2Z OR KML P/N 6900-ZZ

2) ALL DIMENSIONS ARE IN INCHES

D3121-25 CAP D3121-23 BEARING

D3121-241 BEARING ASSEBLY (SCALE 1:1)